

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: Mohammed N. Islam, et al.
Date Filed: December 9, 2003
Title: APPARATUS AND METHOD FOR PROVIDING GAIN
EQUALIZATION

MAIL STOP PATENT APPLICATION

Commissioner of Patents
P.O. Box 1450
Alexandria, VA 22313-1450

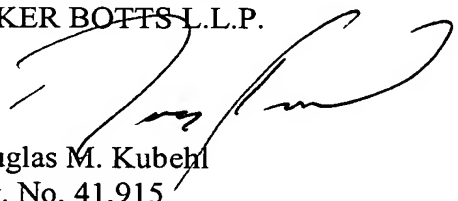
Dear Sir:

INFORMATION DISCLOSURE STATEMENT

Applicant respectfully requests, pursuant to 37 C.F.R. §§ 1.56, 1.97 and 1.98, that the references listed on the attached PTO-1449 form be considered and cited in the examination of the above-identified patent application. No representation is made that a search has been made, that these references are material to the patentability of the present application, or that these references qualify as prior art.

The present Information Disclosure Statement is being filed in a continuation application of U.S. Serial No. 09/746,813 filed December 22, 2000. Each document listed on the attached PTO Form 1449 was cited by or submitted to the U.S. Patent and Trademark Office in the prior application as properly identified above. Therefore, pursuant to 37 C.F.R. § 1.98(d), a copy of each listed document need not be provided with the present Information Disclosure Statement.

Respectfully submitted,
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Date: 12-9-03

PTO-1449 Information Disclosure Citation in an Application	Application No.	Applicant(s)	
	Docket Number	Group Art Unit	Filing Date
	074036.0131		December 9, 2003

U.S. PATENT DOCUMENTS

		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	4,011,009	03/08/77	Lama, et al.	350	162 R	05/27/75
	B	4,900,119	02/13/90	Hill, et al.	350	96.15	04/01/88
	C	5,212,743	05/18/93	Heismann	385	11	02/12/92
	D	5,311,360	05/10/94	Bloom, et al.	359	572	04/28/92
	E	5,459,610	10/17/95	Bloom, et al.	359	572	05/20/93
	F	5,500,761	03/19/96	Goossen, et al.	359	290	01/27/94
	G	5,654,819	08/05/97	Goossen, et al.	359	291	01/07/95
	H	5,659,418	08/19/97	Yurke	359	290	02/05/96
	I	5,661,592	08/26/97	Bornstein, et al.	359	291	01/07/95
	J	5,701,193	12/23/97	Vogel, et al.	359	290	02/21/96
	K	5,745,271	04/28/98	Ford, et al.	359	130	07/31/96
	L	5,751,469	05/12/98	Arney, et al.	359	291	02/01/96
	M	5,825,528	10/20/98	Goossen	359	291	12/26/95

FOREIGN PATENT DOCUMENTS

		DOCUMENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	N							
	O							

NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	P	K. E. Petersen, "Micromechanical Light Modulator Array Fabricated On Silicon," Applied Physics Letters, Vol. 31, No. 8, pp. 521-523	10/15/77
	Q	C. Marxer, et al., "Megahertz Opto-Mechanical Modulator," Elsevier Science S.A., pp. 46-50	1996
	R	C. M. Ragdale, et al., "Integrated Three Channel Laser and Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronics Letters, Vol. 30, No. 11, pp. 897-898	05/26/94
	S	K. O. Hill, et al., "Narrow-Bandwidth Optical Waveguide Transmission Filters," Electronic Letters, Vol. 23, No. 9, pp. 465-466	04/23/87
	T	C. M. Ragdale, et al., "Integrated Laser and Add-Drop Optical Multiplexer for Narrowband Wavelength Division Multiplexing," Electronic Letters, Vol. 28, No. 89, pp. 712-714	04/09/92
	U	K. Aratani, et al., "Process and Design Considerations for Surface Micromachined Beams for A Tuneable Interferometer Array in Silicon," Handbook of Physics, pp. 230-235	1993

EXAMINER	DATE CONSIDERED
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EXAMINER: Initial if citation considered, whether or not citation is in conformance with MPEP § 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to the applicant.

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		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	5,835,255	11/10/98	Miles	359	291	05/05/94
	B	5,841,579	11/24/98	Bloom, et al.	359	572	06/07/95
	C	5,850,492	12/15/98	Morasca, et al.	385	11	11/06/96
	D	5,870,221	02/09/99	Goossen	359	290	07/25/97
	E	5,914,804	06/22/99	Goossen	359	291	01/28/98
	F	5,943,155	08/24/99	Goossen	359	247	08/12/98
	G	5,943,158	08/24/99	Ford, et al.	359	295	05/05/98
	H	5,943,454	08/24/99	Aksyuk, et al.	385	22	08/15/97
	I	5,949,571	09/07/99	Goossen, et al.	359	291	07/30/98
	J	5,974,207	10/26/99	Aksyuk, et al.	385	24	12/23/97
	K	5,986,796	11/16/99	Miles	359	260	11/05/96
	L	6,002,513	12/14/99	Goossen, et al.	359	291	06/22/98
	M	6,034,812	03/07/2000	Naito	359	341	02/03/1998
	N	6,151,160	11/21/2000	Ma et al.	359	341	10/05/1998

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NON-PATENT DOCUMENTS

		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)	DATE
	Q	O. Solgaard, et al., "Deformable Grating Optical Modulator," Optics Letters, Vol. 17, No. 9, pp. 688-690	05/01/92
	R	W. R. Wiszniewski, et al., "Mechanical Light Modulator Fabricated On A Silicon Chip Using Simox Technology, pp. 1027-1030	Undated
	S	M.W. Chbat, "High-spectral-efficiency transmission systems," OFC 2000, Baltimore, MD, pp TuJ1-1, 134-136	2000
	T	J.W. Bayless, et al., "The Specification and Design of Bandlimited Digital Radio Systems," IEEE Transactions on Communications, Vol. COM-27 (12): pp. 1763-1770	1979
	U	D.E. Sene, et al., "Polysilicon Micromechanical Gratings for Optical Modulation," Elsevier Vol. Sensors and Actuators (A 57), pp. 145-151	1996

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U.S. PATENT DOCUMENTS							
		DOCUMENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE
	A	6,188,477 B1	02/13/2001	Pu et al.	356	351	05/04/1999
	B	6,222,954 B1	04/24/2001	Riza	385	18	09/17/1999
	C	2002/0021485 A1	02/21/2002	Pilossof	359	295	07/11/2001
	D	6,407,851 B1	06/18/2002	Islam et al.	359	291	08/01/2000
	E						
	F						
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FOREIGN PATENT DOCUMENTS							
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	L						YES NO
	M						
NON-PATENT DOCUMENTS							
		DOCUMENT (Including Author, Title, Source, and Pertinent Pages)					DATE
	N	D. M. Burns, et al., "Micro-Electro-Mechanical Variable Blaze Gratings," IEEE 10th Annual International Workshop on Micro Mechanical Systems, pp. 385-391					1997
	O	L. Y. Lin, et al., "Micromachined polarization-state controller and its application to polarization-mode dispersion compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 244-246					2000
	P	J.W. Bayless, et al., "High Density Digital Data Transmission," National Telecommunications Conference, Dallas, TX, pp. 1-6					1976
	Q	R.W. Corrigan, et al., "17.3: Calibration of a Scanned Linear Grating Light Value Projection System," www.siliconlight.com					1999
	R	SLM "GLV Technology," www.siliconlight.com					1999
	S	R.W. Corrigan, et al., "Grating Light Valve Technology for Projection Displays," Presented at the International Display Workshop, Kobe, Japan					1998
	T	M. Ming, et al., "Principles and Applications of Optical Communications," Irwin, pp. 468 & 470					1996
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	E						YES NO
NON-PATENT DOCUMENTS							
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	F	SLM "The Grating Light Valve Technology," www.siliconlight.com					1999
	G	SLM "The Scanned Grating Light Valve Display Architecture," www.siliconlight.com					1999
	H	A. Willner, "WDM Systems 1," OFC '97, Dallas, TX, pp. TuJ, 43-45					1997
		C. Pu, et al., "Micromachined Integrated Optical Polarization-State Rotator," IEEE Photonics Technology Letters, Vol. 12 (10), pp. 1358-1360					10/2000
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		C. K. Madsen, et al., "A Tunable Dispersion Compensating MEMS All-Pass Filter," IEEE Photonics Technology Letters, Vol. 12 (6), pp. 651-653					2000
		J. E. Ford, et al., "Passband-Free Dynamic WDM Equalization," ECOC '98, Madrid, Spain, pp. 317-318					1998
		K. W. Goossen, et al., "Micromechanical Gain Slope Compensator for Spectrally Linear Optical Power Equalization					2000
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DAL01:770276

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	B						YES NO
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	C	K. W. Goossen, et al., "Silicon Modulator Based on Mechanically-Active Anti-Reflection Layer with 1 Mbit/sec Capability for Fiber-in-the-Loop Applications," IEEE Photonics Technology Letters, Vol. 6 (9), pp. 1119-1121					1994
	D	L. Y. Lin, et al., "Angular-Precision Enhancement in Free-Space Micromachined Optical Switches," IEEE Photonics Technology Letters, Vol. 11 (10), pp. 1253-1255					1999
	E	L. Y. Lin, et al., "Free-Space Micromachined Optical Switches with Submillisecond Switching Time for Large-Scale Optical Crossconnects," IEEE Photonics Technology Letters, Vol. 10 (4), pp. 525-527					1998
	F	L. Y. Lin, et al., "Optical Crossconnects for High-capacity Lightwave Networks," Journal of High Speed Networks, pp. 17-34					1999
	G	E. P. Furlani, et al., "Analysis of grating light valves with partial surface electrodes," American Institute of Physics, Vol. 83 (2), pp. 629-634					1998
	H	E. P. Furlani, et al., "Theory and simulation of viscous damped reflection phase gratings," J. Phys. D: Appl. Phys., Vol. 32, pp. 412-416					1999
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	L	L. Y. Lin, et al., "Micromachined Polarization-state-controller and its Application to Polarization-mode Dispersion-compensation," OFC 2000, Baltimore, MD, pp. ThQ3-1, 144-246					2000
	M	L. Y. Lin, et al., "Optical-layer Networking: Opportunities for and Progress in Lightwave Micromachines," OFC 2000, Baltimore, MD, pp. 1-88					2000
	N	Author Unknown, "Diffraction and Interference," Optics, Chapter 6, pp. 102-103					
	O	"Polarization Mode Dispersion (PMD)," Cables & Components Technical Papers, http://www.usa.alcatel.com/cc/techprs/fnlpmd2.htm					2000
	P	"Menyuk Tutorial," OFC 2000, pp. 92-94					03/2000
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